



2612

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/675,487	
	Filing Date	September 29, 2000	
	First Named Inventor	Lester J. Kozlowski, et al	
	Group Art Unit	Not Known	
	Examiner Name	Not Known	
Total Number of Pages in This Submission	4	Attorney Docket Number	24096.00300

RECEIVED
FEB 0 8 2002
Technology Center 2600

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	PRELIMINARY AMENDMENT
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Doyle B. Johnson (Reg. No. 39,240) CROSBY, HEAFEY, ROACH & MAY
Signature	
Date	January 3, 2002

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: January 3, 2002			
Typed or printed name	Norma E. Gillespie		
Signature		Date	January 3, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2001</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>		<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>09/675,487</td> </tr> <tr> <td>Filing Date</td> <td>September 29, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>Lester J. Kozlowski, et al</td> </tr> <tr> <td>Examiner Name</td> <td>Not Known</td> </tr> <tr> <td>Group / Art Unit</td> <td>Not known</td> </tr> <tr> <td>Attorney Docket No.</td> <td>4096.00300</td> </tr> </table>		Application Number	09/675,487	Filing Date	September 29, 2000	First Named Inventor	Lester J. Kozlowski, et al	Examiner Name	Not Known	Group / Art Unit	Not known	Attorney Docket No.	4096.00300
Application Number	09/675,487														
Filing Date	September 29, 2000														
First Named Inventor	Lester J. Kozlowski, et al														
Examiner Name	Not Known														
Group / Art Unit	Not known														
Attorney Docket No.	4096.00300														
<p>TOTAL AMOUNT OF PAYMENT (\$) 0</p>		<p style="font-size: large; font-weight: bold; transform: rotate(-5deg);">RECEIVED</p> <p style="font-size: large; font-weight: bold; transform: rotate(-5deg);">FEB 08 2002</p> <p style="font-size: large; font-weight: bold; transform: rotate(-5deg);">Technology Center 2600</p>													

<p>METHOD OF PAYMENT (check one)</p> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Deposit Account Number: 03/3821</p> <p>Deposit Account Name: Crosby, Heafey, Roach & May</p> </div> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>					<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td></td></tr> </tbody> </table>					Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65		127	50	227	25		139	130	139	130		147	2,520	147	2,520		112	920*	112	920*		113	1,840*	113	1,840*		115	110	215	55		116	390	216	195		117	890	217	445		118	1,390	218	695		128	1,890	228	945		119	310	219	155		120	310	220	155		121	270	221	135		138	1,510	138	1,510		140	110	240	55		141	1,240	241	620		142	1,240	242	620		143	440	243	220		144	600	244	300		122	130	122	130		123	130	123	130		126	180	126	180		581	40	581	40		146	710	246	355		149	710	249	355		179	710	279	355		169	900	169	900	
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																						
105	130	205	65																																																																																																																																																							
127	50	227	25																																																																																																																																																							
139	130	139	130																																																																																																																																																							
147	2,520	147	2,520																																																																																																																																																							
112	920*	112	920*																																																																																																																																																							
113	1,840*	113	1,840*																																																																																																																																																							
115	110	215	55																																																																																																																																																							
116	390	216	195																																																																																																																																																							
117	890	217	445																																																																																																																																																							
118	1,390	218	695																																																																																																																																																							
128	1,890	228	945																																																																																																																																																							
119	310	219	155																																																																																																																																																							
120	310	220	155																																																																																																																																																							
121	270	221	135																																																																																																																																																							
138	1,510	138	1,510																																																																																																																																																							
140	110	240	55																																																																																																																																																							
141	1,240	241	620																																																																																																																																																							
142	1,240	242	620																																																																																																																																																							
143	440	243	220																																																																																																																																																							
144	600	244	300																																																																																																																																																							
122	130	122	130																																																																																																																																																							
123	130	123	130																																																																																																																																																							
126	180	126	180																																																																																																																																																							
581	40	581	40																																																																																																																																																							
146	710	246	355																																																																																																																																																							
149	710	249	355																																																																																																																																																							
179	710	279	355																																																																																																																																																							
169	900	169	900																																																																																																																																																							
<p>2. EXTRA CLAIM FEES</p> <table style="width: 100%;"> <tr> <td>Total Claims</td> <td>-20**</td> <td>=</td> <td>0</td> <td>X</td> <td>Fee from below</td> <td>=</td> <td>0</td> </tr> <tr> <td>Independent Claims</td> <td>-3**</td> <td>=</td> <td>0</td> <td>X</td> <td></td> <td>=</td> <td>0</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>=</td> <td>0</td> </tr> </table>					Total Claims	-20**	=	0	X	Fee from below	=	0	Independent Claims	-3**	=	0	X		=	0	Multiple Dependent				X		=	0	<p>FEE CALCULATION (continued)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td></td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (1)</td><td>(\$) 0</td></tr> </tbody> </table>					Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee		106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)					(\$) 0																																																																															
Total Claims	-20**	=	0	X	Fee from below	=	0																																																																																																																																																			
Independent Claims	-3**	=	0	X		=	0																																																																																																																																																			
Multiple Dependent				X		=	0																																																																																																																																																			
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																					
101	710	201	355	Utility filing fee																																																																																																																																																						
106	320	206	160	Design filing fee																																																																																																																																																						
107	490	207	245	Plant filing fee																																																																																																																																																						
108	710	208	355	Reissue filing fee																																																																																																																																																						
114	150	214	75	Provisional filing fee																																																																																																																																																						
SUBTOTAL (1)					(\$) 0																																																																																																																																																					
<p>1. BASIC FILING FEE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td></td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (1)</td><td>(\$) 0</td></tr> </tbody> </table>					Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee		106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)					(\$) 0	<p>2. EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (2)</td><td>(\$) 0</td></tr> </tbody> </table>					Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$) 0																																																													
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																					
101	710	201	355	Utility filing fee																																																																																																																																																						
106	320	206	160	Design filing fee																																																																																																																																																						
107	490	207	245	Plant filing fee																																																																																																																																																						
108	710	208	355	Reissue filing fee																																																																																																																																																						
114	150	214	75	Provisional filing fee																																																																																																																																																						
SUBTOTAL (1)					(\$) 0																																																																																																																																																					
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																					
103	18	203	9	Claims in excess of 20																																																																																																																																																						
102	80	202	40	Independent claims in excess of 3																																																																																																																																																						
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																						
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																						
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																						
SUBTOTAL (2)					(\$) 0																																																																																																																																																					
<p>Other fee (specify)</p>					<p>SUBTOTAL (3) (\$) 0</p>																																																																																																																																																					

**or number previously paid, if greater; For Reissues, see above

<p>SUBMITTED BY</p>				<p>Complete (if applicable)</p>	
Name (Print/Type)	Doyle B. Johnson	Registration No. Attorney/Agent)	39,240	Telephone	(415) 659-5969
Signature				Date	January 3, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.



Attorney Docket No. 24096.00300

#5/A
2/13/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lester J. Kozlowski; William E. Tennant

Group Art Unit:

Title: HIGH GAIN DETECTOR AMPLIFIER
WITH ENHANCED DYNAMIC RANGE FOR
SINGLE PHOTON READ-OUT OF
PHOTODETECTORS

Examiner:

Serial No. 09/675,487

Filed: September 29, 2000

RECEIVED
FEB 08 2002
Technology Center 2600

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a Preliminary Amendment for filing in the above-identified patent application as follows:

In The Specification

Please replace the original paragraph with the following:

Page 1, Lines 6-11

AM The present application is related to U.S. Patent Application Serial No. 09/675,278, entitled "SELF-ADJUSTING ADAPTIVE MINIMAL NOISE INPUT AMPLIFIER CIRCUIT", filed September 29, 2000; and is also related to U.S. Patent Application Serial No. 09/675,483, entitled "ADAPTIVE AMPLIFIER CIRCUIT WITH ENHANCED DYNAMIC RANGE", filed September 29, 2000; the disclosures of which are herein incorporated by reference.